

~~10/2/78~~
do 10/3/78
branch
~~10/5/78~~
10/10/78

File

10/3 O.P.C.O.
c.B.d
P 28783 10/5/78 O.P.C.O.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

OS-37924

A 26816

ELLICOTT CITY
DISTRICT 5th

DATE 9/1/78

INDEXED

William Hopkins IS PERMITTED TO INSTALL ALTER

ADDRESS 2724 Jennings Chapel Road, Woodbine, Md. 21797 PHONE 489-4711

SUBDIVISION Williams Contrivance Estates ROAD 9449 Lovat Road LOT 13, Sec. 2

PROPERTY OWNER Charles Fells

ADDRESS 11826 Route 216, Fulton, Maryland 20759

SPECIFICATIONS 3 bedrooms
SEPTIC TANK CAPACITY 1000 GALLONS
DRAIN FIELD DEPTH FEET. BOTTOM AREA SQ. FT.
DEEP TRENCH DEPTH FEET. BOTTOM AREA SQ. FT.
SEEPAGE PITS ABSORBENT SIDE-WALL AREA 140 SQ. FT. sidewall area per bedroom below inlet.
INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 FT. BELOW ORIGINAL GRADE
EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.
LOCATE DISPOSAL AREA 165 FT. FROM front LOT LINE AND 15 FT. FROM left LOT LINE AS SEEN WHEN
FACING LOT FROM Ellsworth Court.

PLANS APPROVED BY Charles B. Streaker DATE 9/19/87

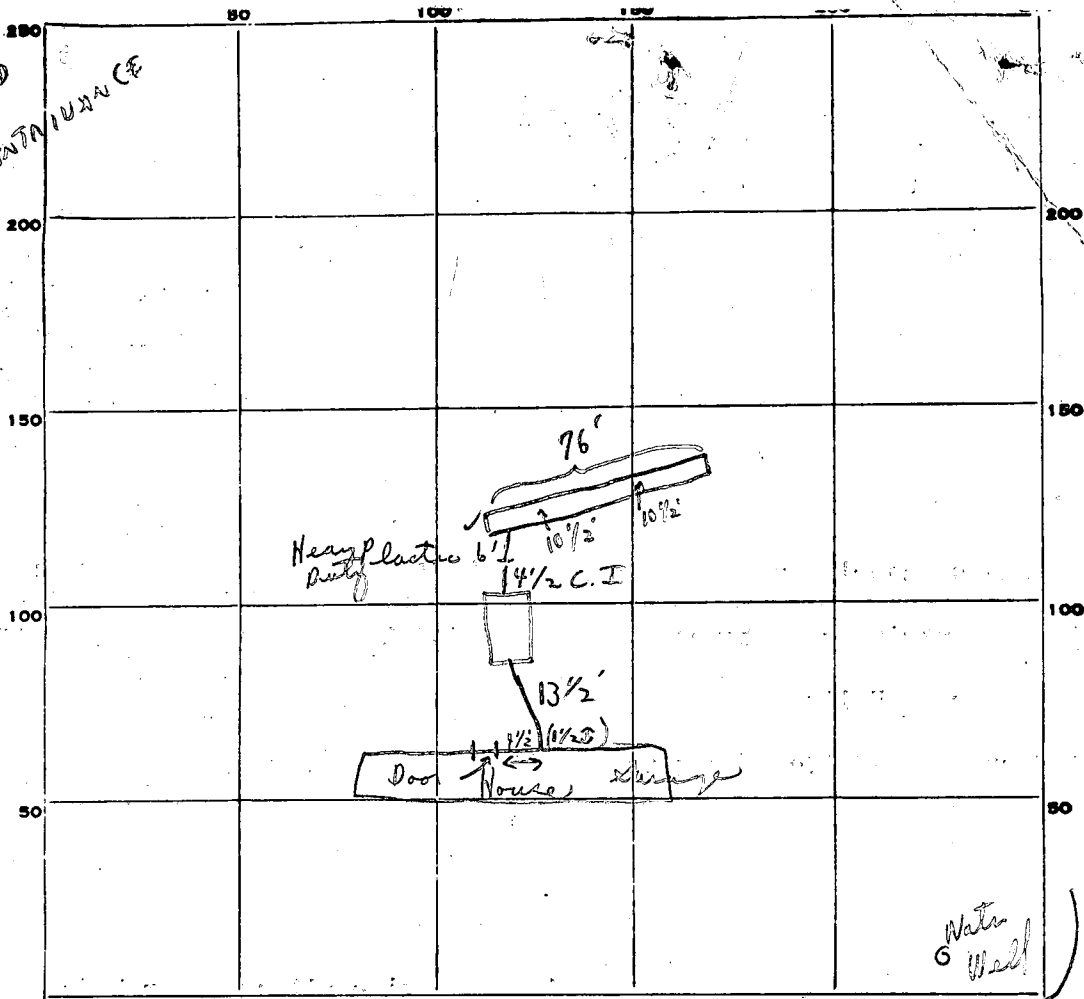
- COVER NO WORK UNTIL INSPECTED AND APPROVED.
- NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
- NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.
- NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.
- NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.
- PERMIT VOID AFTER THREE YEARS.
- NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

BLDG. PERMIT SIGNED
AND RETURNED 10/3/84
Serial # 61721 Prod.

A 26816

A 26816
 9449 WAT RD
 CUT 13 WMS, CONTINUANCE
 SECT. II



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Yes at tank (stop work) Ellsworth Ct.
 Yes at tank
 Yes at sprigs 10/10/78

PERMIT CARD _____

SEPTIC TANK, LEVEL _____

CLEANOUTS _____

DISTRIBUTION BOX, LEVEL _____

N/A

TILE FIELD, DEPTH 10'-10 1/2' FT. TRENCH WIDTH _____ FT.

GRAVEL DEPTH 8" / 1" IN TOTAL LENGTH 76 FT. 60.8

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 608 ± SQ. FT.

REMARKS

10/3/78 Pipe from house to tank not cemented to
 cemented; sh for stones in trench started 10/5/78^① Pipe
 from house not cemented at septic tank; ② C.B.D.
 + get approval about heavy plastic in trench; ③ Partial
 stop work + call office; ④ Paper on trench + stones to 2' high
 surface. Speak to lab at site + signed card; Office
 need to seal pipe cemented at septic tank P.W.M. + C.B.D. office

DATE SYSTEM APPROVED _____

10/10/78

INSPECTOR _____

C.B.D. [Signature]

found [Signature]

APPLICATION

A. 26816

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 1000 gallons
5th
DATE 8/29/77
1-3 Bedrooms
4 Bedrooms 1250 gallons

8/31/77
1:30 PM

Septic Tank
Dry well to have 140 sq ft. effective
absorbent sidewall area per bedroom below intef.
Orbit 3' below original grade and maximum depth
10' location per surveyor 165' from front property line + 15'
off left property line when facing lot prop. Ellsworth
Court [Keehole (142)] *Dry well & trench used need:*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER G.E. Iager, et al Charles Fells
ADDRESS Fulton, Maryland PHONE 725-2075
① 5' earth buffer between dry well and trench
② 2 inspections of trench before & after ground installed

PROPERTY LOCATION:
SUBDIVISION Williams Contrivance Estates LOT NO. New Lot 13, Sec. 2
ROAD AND DESCRIPTION ~~Ellsworth Drive & Ellsworth Court~~ 9449 Lovat Road
(30' N. end lot is possibly see next sheet

SIZE OF LOT 66,000 sq. ft. m/1 TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ C. E. Iager

APPROVED BY C. B. Steaks FOR Dry Well & Trench DATE 9/19/77
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

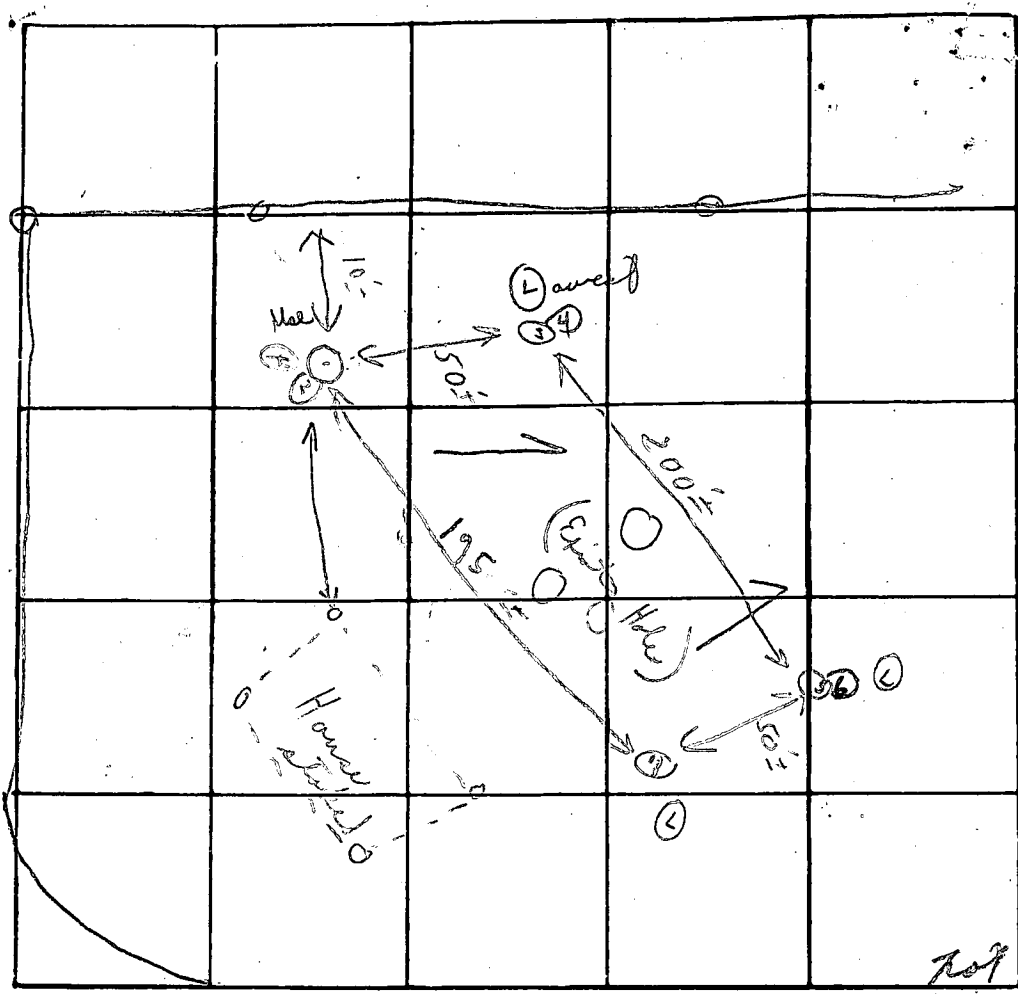
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8/31/77 Hold for house plumbing plans
& certified here.

BLDG. PERMIT SIGNED
AND RETURNED 3/15/78
serial # 35015

THIS IS NOT A PERMIT

Ellsworth Court



Plot 13 Sec. 2

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

Howard Rd.

Soil Profile

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/31/77	1	3'	2:05	2:08	2:08	2:15	7m
	2	10'	2:01	2:02	2:02	2:04	2m
	③	3'	2:24	2:X	2:X	2:X	X
	4	11' ^{less} 2"	2:23	2:24	2:24	2:28	4m
	5	3'	2:55	3:01	3:01	3:12	11m
	6	11'	2:57	3:02	3:02	3:20	18m
	7	13' Vertical					Transition to other
	→ 3B	4 1/2'	2:32	2:35	2:35	2:52	17
						6:59	10m

Below clay
Sandy loam

Perg To 11

Perg To 12 1/2

REMARKS (check on houses plumbing elevation)

TYPE OF SOIL _____

TESTED BY C. B. & ALSO PRESENT: Frysch + ^{days} Rush

APPLICATION

A 24465

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5th ^{1900 gallons}
DATE 11/8/76 ^{1250 gallons}

Septic Tank { ^{173 Bedrooms} / 4 Bedrooms }
Dry well to have 135 sq. ft.
effective absorption sidewalk area per
bedroom below ~~first~~ ^{first} ~~of original~~ ^{of original} ~~area~~ ^{area} ~~to be~~ ^{to be} 4' and
maximum depth 11' location: 20' off Ellsworth
Court + 70' off Royal Rd.
Note retest 8/31/77

*Part system
impaired*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER C. E. Iager et al *New Tests = use different specs of 8/31/77*

ADDRESS Fulton, Maryland PHONE 725-2075

PROPERTY LOCATION:

SUBDIVISION Williams Controversy Sec 2 LOT NO. 13 *New 13 still needs testing part of 021012 + some of 02113*

ROAD AND DESCRIPTION Ellsworth Drive & Ellsworth Court

SIZE OF LOT 66,650 sq. feet TYPE BLDG. 3 OF 4 NUMBER OF BEDROOMS
New 12 is Old 12 using some of old 13 C.B.S.

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ C. Ellsworth Iager

APPROVED BY C. B. Streak FOR Dry Well on Dry Well + trench DATE 4/6/77
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

Checked 6/29/77 with Pennis + Mr. Jay
Possible Hold for redesign + retreat
Notes Pennis ^{had} knows

- to have
- ① House staked
 - ② Septic area 20' off house
 - ③ Note soil disturbed slightly
in former hole area.

If retreat have holes certified to lot lines
and house sites.

C.B.D.

B 1 1906
 SEQUENCE NO. (WRA USE ONLY)
 1 2 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER
 40-73-111
FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
 2/10/78
 2:00 PM

OWNER
 COL 15 LAST NAME: Charles FIRST NAME: Charles COL. 34
STREET OR RFD
 COL 36: 11836 Rt 216 COL. 58
POST OFFICE
 COL 57: Fulton md. COL. 76

B 1 CONTINUED DRILLER INFORMATION
 1 2 3 (SEQ. NO.) 6
DATE Aug 8, 1977 **LICENSE NUMBER** 238
 77 80
FIRST NAME Joseph L. Wagner **DRILLER** **LAST NAME**
SIGNATURE Joseph L. Wagner

B 3 LOCATION OF WELL
 1 2 3 (SEQ. NO.) 6
COUNTY Howard (DO NOT ABBREVIATE COUNTY NAME) 21
SUBDIVISION Williamson Continuance 42
SECTION 2 **LOT** 13 50
NEAREST TOWN Fulton 71
MILES FROM TOWN (ENTER 0 IF IN TOWN) 3 76 77 78

B 2 WELL INFORMATION
 1 2 3 (SEQ. NO.) 6
MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5
AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 750
 14 20
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING, AGRICULTURE, IRRIGATION
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
 MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL.
 PRIVATE WATER COMPANY }
 TEST

B 4 DIRECTION FROM TOWN
 (CIRCLE APPROPRIATE BOX)
 NORTH EAST NORTHWEST SOUTHWEST
 SOUTH WEST NORTHWEST SOUTHWEST
NEAR WHAT ROAD Fovette Rd
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH EAST WEST
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 30 34 37 38 39

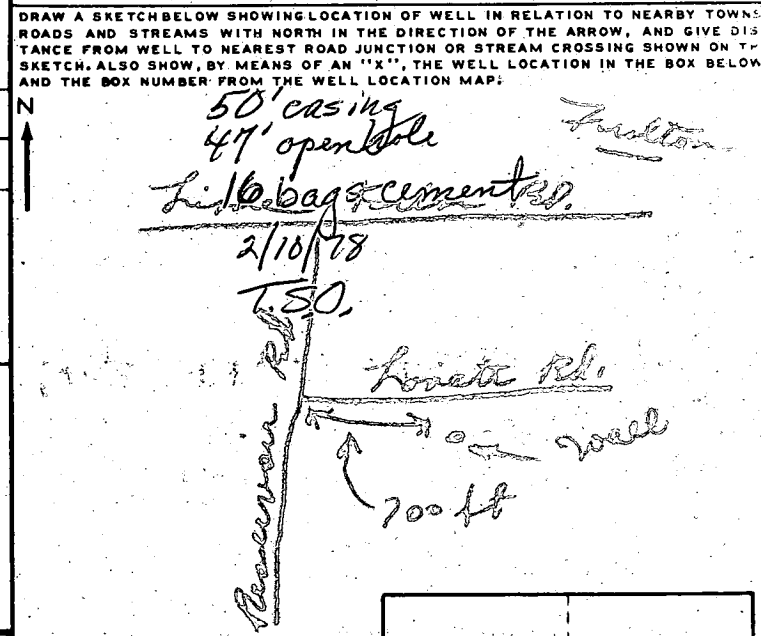
APPROXIMATE DEPTH OF WELL 200 FEET
APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)
 BORED (OR AUGERED) JETTED DRIVEN
 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)
 CABLE REVERSE-ROTARY DRIVE-POINT
OTHER (DESCRIBE)

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)
APPROPRIATION PERMIT NUMBER 54 **ENGINEER REVIEW DISTRICT NO.** 63
FORCE 67 **WRITE INITIALS IN BOX** **CONDITIONS** 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL
 1 2 3 (SEQ. NO.) 6
 STATE HEALTH (CIRCLE BOX) Howard COUNTY NAME 1726534 COUNTY NO.
DATE 8/10/78 **APPROVED BY** Donald W. Monaghan, Sanitarian



BOX NUMBER
 E 810
 N 4670
NORTH COORDINATE 75 50 51 52 53 54 55
EAST COORDINATE 57 58 59 60 61 62 63
ELEVATION AT WELL HEAD (FEET) 65 66 67 68

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)
 1 2 3 (SEQ. NO.) 6

C 1 **9942** SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6

(THIS NUMBER IS TO BE PUNCHED IN CALS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
 TAWES STATE OFFICE BLDG. ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY)

DATE WELL COMPLETED 11-15-78

DEPTH OF WELL 285 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" FO-73-2267

DRILLERS IDENTIFICATION NO. 238

OWNER Muller LAST NAME Charles FIRST NAME

STREET OR RFD 11th St POST OFFICE Muller Md

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
<u>20 ft</u>			
<u>14 385</u>			

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT BENTONITE CLAY

NO. OF BAGS 42 NO. OF POUNDS 1504

GALLONS OF WATER 776

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 54 FT. (ENTER 0 IF FROM SURFACE)

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL CONCRETE

PLASTIC OTHER

MAIN CASING TYPE 60 NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 54

OTHER CASING (IF USED)

DIAMETER (INCH)	DEPTH (FEET) FROM	TO
<u>4</u>	<u>0</u>	<u>54</u>

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW

STEEL BRASS OR BRONZE OPEN HOLE

PLASTIC OTHER

C 2 (SEQ. NO.) 6

DEPTH (NEAREST WHOLE FOOT)

FROM	TO
<u>48</u>	<u>285</u>

SCREEN TYPE OR OPEN HOLE

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM 56 TO 60

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING 70 72 74 75 76

LOC. INDICATOR

OTHER DATA AVAILABLE

C 3 (SEQ. NO.) 6

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 3

METHOD USED TO MEASURE PUMPING RATE dir

WATER LEVEL (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 17 (NEAREST FOOT) 20

WHEN PUMPING 22 (NEAREST FOOT) 25

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR PISTON TURBINE

CENTRIFUGAL ROTARY OTHER (DESCRIBE BELOW)

JET SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE BELOW

LAND SURFACE (NEAREST FOOT) 49 50 51

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

CIRCLE APPROPRIATE BOXES

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

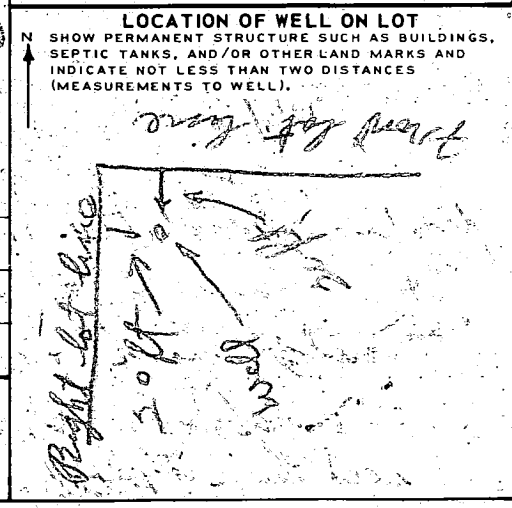
E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME [Signature]

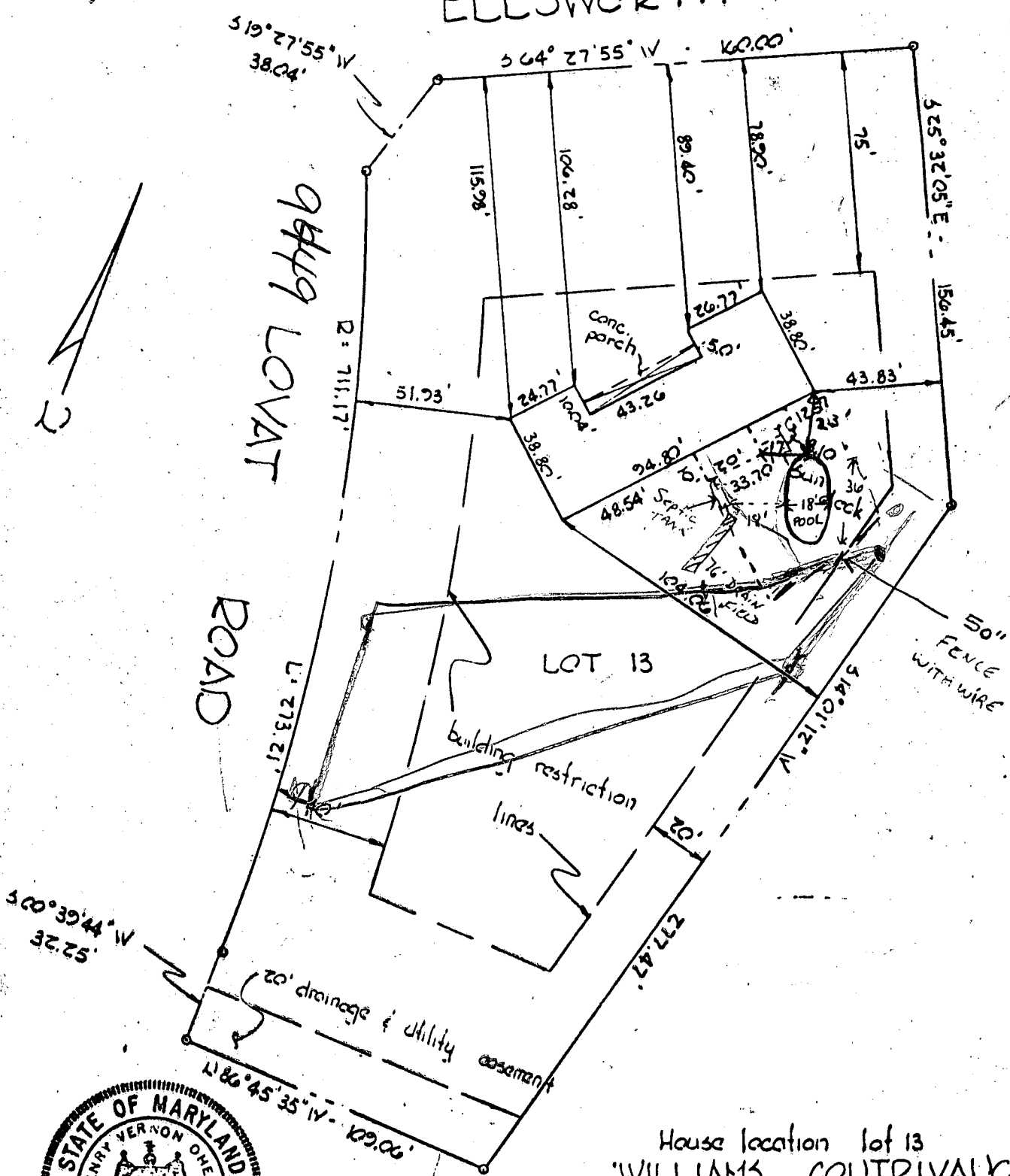
SIGNATURE [Signature]



RECEIVED
 FEB 14 1979
 COUNTY HEALTH DEPT.
 ANNAPOLIS, MD.

NOTE:
 This plot is not intended
 to be used to establish
 property lines.

ELLSWORTH CT.



House location lot 13
 WILLIAMS CONTRIVANCE
 ESTATES SECTION-TWO
 5th election district Howard Co., Md.
 scale: 1"=50' November, 1979

prepared by: TYDINGS - OHEIM & ASSOCIATES
 8370 Court Ave.
 Ellicott city, Maryland 21043

Henry V. Oheim 11/26/79
 HENRY V. OHEIM #4156

10/31/84
 OK TO SIGN
 POOL OUT OF
 SEWERAGE CONNECTION
 NO OVER FLOW
 RH